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PATENT APPLICATION

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Stephen A. Slusher, Reg. No. 43,924

January 2, 2002
Date Signed

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shubh D. Sharma and Yiqun Shi

Serial No. 09/883,069

Filed: June 14, 2001

For: METALLOPEPTIDE COMBINATORIAL LIBRARIES AND APPLICATIONS

Examiner: UNKNOWN

Group Art Unit: 1619

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend the above-identified application, without prejudice.

Please amend Claims 1, 2, 3 and 13 by deleting and rewriting the claims (MPEP §714.22) with the additions as follows:

1. (Amended) A combinatorial library of different sequence peptide members synthesized on solid phase, where each constituent library member comprises:

(a) a peptide sequence of three or more amino acid residues bound to solid phase characterized by (i) a sequence of two or more amino acid residues forming a metal ion-binding domain and including at least one amino acid residue containing at least one S wherein the said S is protected by an orthogonal S-protecting group, the orthogonal S-protecting group being compatible with peptide solid phase synthesis and removable without cleaving the peptide from the solid phase, (ii) a sequence of one or more amino acid residues either at the N- or C- terminus of the metal ion-binding domain, or at both the N- and C-terminus of the metal ion-binding domain, provided that the at least one amino acid residue containing at least one S protected by an orthogonal S-protecting group is not the terminal amino acid at either the N- or C-terminus, and (iii) a cleavable bond attaching the peptide sequence to solid phase; and

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